WIKIPEDIA
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Main page
Contents
Current events
Random article
About Wikipedia
Contact us
Donate

Contribute
Help
Learn to edit
Community portal
Recent changes
Upload file

Tools
What links here
Related changes
Special pages
Permanent link
Page information
Cite this page
Wikidata item

Print/export
Download as PDF
Printable version

Languages
Català
中文
Edit links

Mazda MZR engine

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"MZR" redirects here. For the airport with IATA code MZR, see Mazar-i-Sharif Airport.

MZR is the brand name of a generation of Inline-four engines engineered and built by the Mazda Motor Corporation from 2001 to the present. MZR stands for "MaZda Responsive". The MZR generation includes gasoline and diesel powered engines ranging in displacements from 1.3L to 2.5L.

All gasoline-powered MZR engines feature an all-aluminum block construction with iron cylinder liners. The diesel **MZR-CD** engines use a cast-iron block (virtually identical to the Mazda F engine) and an aluminum cylinder head.

There are three specific engine families within the MZR which include:

1. the small 1.3L to 1.6L Mazda Z engine
2. the mid-sized 1.8L to 2.5L Mazda L engine
3. the 2.0L and 2.2L common-rail diesel Mazda R-engine

The DISI turbocharged MZR **L3-VDT** was on the Ward's 10 Best Engines list for 3 consecutive years for 2006, 2007 and 2008.

The Ford Motor Company owns rights to build and use the MZR generation of engines under their Duratec brand name for global service in its vehicles since 2003.

As of 2011, Mazda discontinued development of the MZR generation of engines and replaced it with their new SkyActiv generation of engines. Some early 2012 Mazda cars are equipped with the 2.0 MZR engines as an option as well. Ford continues to develop and manufacture variants of the Z and L engines for their Duratec and EcoBoost four-cylinder engines. The third generation MX-5 was still produced with the MZR 1.8 or 2.0 engine, which may be shipped from the factory with a Ford oil filter fitted, suggesting a shared production line.

See also [edit source]

- List of Mazda engines

References [edit source]

- MAZDA engine codes

Mazda MZR engine

Turbocharged MZR engine in a 2006 Mazdaspeed6

Overview	
Manufacturer	Mazda
Also called	MZR Z MZR L Mazda R Duratec EcoBoost
Production	2001–present
Layout	
Configuration	Inline-four
Block material	Aluminum
Head material	Aluminum
Valvetrain	DOHC
Combustion	
Fuel type	Gasoline Diesel
Chronology	
Predecessor	Mazda B engine Mazda F engine
Successor	SkyActiv

V · T · E	Mazda	[hide]
Current	Cars	Mazda2 · Mazda3 · Mazda6
	SUVs/Crossovers	CX-3 · CX-30 · CX-4 · CX-5 · CX-8 · CX-9 · MX-30
	Pickup trucks	Bongo Truck · BT-50
	Commercial vans	Bongo Brawny · Bongo Van · Familia Van (XP160)
	Commercial trucks	Titan
	Sports cars	Roadster/MX-5/Miata
	Kei vehicles	Carol · Flair · Flair Crossover · Flair Wagon · Scrum · Scrum Van · Scrum Wagon
Discontinued models		Mazda-Go · K360 · R360 · ɛfini MS-8 · Biante · B Series · 121 · 626 · 929 · AZ-1 · AZ-Offroad · Capella · Cosmo · Cronos · CX-7 · Familia · Familia Wagon/Van · Lantis/323F · Luce · Pathfinder XV-1 · Persona · Premacy/Mazda5 · Millenia · MPV/Mazda8 · MX-3 · MX-6 · Navajo · Revue · RX-7 · RX-8 · RX-8 Hydrogen RE · Savanna · Sentia · Spiano · Tribute · Verisa · VX-1 · Xedos 6/Eunos 500 · Parkway
Concepts		Chantez EV · Furai · Hakaze · Hazumi · HR-X · Ibuki · Kabura · Kazamai · Kiyora · Premacy Hydrogen RE Hybrid · Nagare · RX-01 · RX-500 · Ryuga · Taiki · Takeri · Shinari · Koeru · MX-5 Super 20 · Minagi · RX-Vision · MX-5 Speedster · Kai · Vision Coupe
Former marques		Amati · Autozam · ɛfini · Eunos
Engines	I4	OHV engine · xC engine · E engine · F engine · G engine · B engine · **MZR engine** · Z engine · L engine · Kei car engine · YF Engine · SkyActiv
	V6	J Engine · K Engine · AJ/MZI
	Other	V-twin engine · Diesel engine · Wankel family
International operations		Mazda North American Operations · Mazda Toyota Manufacturing USA (50%) · Changan Mazda (50%) · AutoAlliance Thailand (50%)
See also		Mazda road vehicle timeline (1960–1989) (1990s–present) · Mazda vehicles · Mazda Factories · Ford Motor Company · M2 · Mazdaspeed · *Zoom-Zoom*
		Cars · Category

Categories: Mazda engines | Inline-four engines

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